

*atripes* or *G. bicolor*, in the alcoholic collection of the Museum of Comp. Zoöl. at Cambridge, I can find but slight differences. The Kansas species is somewhat more elongated in all its parts, and the spines of the anterior femora are slightly curved backwards; the dark band on the prothorax is much reduced in size, and the caudal appendages are more testaceous; they have thirty-three articulations. The specimen is much denuded of its bristles, but those that remain correspond in position with those of *G. janus*. In general, the characters given by Chapuis and Candèze for *G. Lecontei* agree with those of *G. janus*, but many of the details given above for *G. janus* are not mentioned in the description of *G. Lecontei*. Sallé's figure of the latter, reproduced in Packard's "Guide", is certainly unreliable, and strangely exaggerated in the attenuation of its parts. The larva figured in the "Guide", Appendix, p. 713, fig. 667, cannot be a *Galerita*,  
H. G. Hubbard.

## BIBLIOGRAPHICAL RECORD.

Authors and Societies are requested to forward their works to the Editor at the earliest date possible. We ask our readers to inform us of the publication especially of those works which are not generally consulted by entomologists.

B. Pickman Mann.

(Continued from page 48.)

The **Annales de la Societe Entomologique de France**, ser. 5, vol. iii (1873), from p. 395, contain Nos. 131, 132.

\* 131. V. SIGNORET. Essai sur les Cochenilles ou Gallinsectes (Homoptères — Coccides) 11e partie. p. 395-448, tab. 12, 13.

Describes 52 (14 new, 37 figured) species of *Lecanium*, of which 10 (3 new, 5 figured) are North American; classification; habits.

\* 132. AL. LABOULBENE *et* CH. ROBIN. Observations sur les Organes lumineux du *Pyrophorus noctilueus* Linné. p. 529-536.

Structure, histology, chemical composition and physiological action of these organs.

\* 133. The **Bulletin de la Soc. Entom. de France**, année 1873, from p. xciii, contains the following.

a. The generic name *Bromius* must yield to the name *Adoxus* (by Édouard Lefèvre), p. excv-excvi. b. Synonymy and habitat of *Clytus cinereus* (by Ernest Olivier), p. cccxvii. c. List of the 375 (7 N. A.) mem-

bers of the Society, p. cexli-cclxv. *d.* Alphabetic and analytic index of genera, species and subjects; index of authors and of additions to the Library, p. cclxvii-ccciv.

\* 134. The **Popular Science Monthly**,<sup>1</sup> vol. iv, from p. 257, contains the following, and Nos. 135 to 141.

*a.* The Caterpillar Nuisance in Philadelphia [Replacement of *Ennomos subsignaria* (exterminated by English sparrows) by *Orgyia leucostigma* (which the sparrows will not attack)], p. 381. *b.* The Grape-vine Blight [*Phylloxera vastatrix*; means against it], p. 381-382. *c.* Migrations of Insects [Statistics of swarms of locusts], p. 382. *d.* Inoculating the vine with essence of *Eucalyptus globulus* a remedy for the Phylloxera; mode of application, p. 511. *e.* Notice of Lubbock's On the Origin and Metamorphoses of Insects (1874) [Intelligence of insects; habits of *Cerceris*; habits of ants], p. 628; of Packard's Insects of the Garden, p. 755-756.

\* 135. *C. V. Riley.* Length [and weight] of Thread of the Silk-worm, p. 508.

\* 136. RICHARD BLISS, JR. Professor Louis Agassiz. p. 608-618.

Obituary notice.

\* 137. *Dr. B. A. Gould.* A Swarm of Locusts. p. 636.  
Description of a swarm seen at Cordova, Arg. Rep.

\* 138. *P. R. Uhler.* Clay Wasp-Nests. p. 637-638.

Nests made by *Polistes* sp.; manner of construction; habits of the wasps. [See this Record, No. 68].

\* 139. ANONYM. The Mantis or Praying Insect. p. 710-713, fig.

Habits and figure of imago; its names; stories about it.

\* 140. S. E. WILBER. Animal Migrations. p. 745-746.

The attacks of dipterous parasites the sole incentive to the migrations of locusts.

\* 141. *D. L. Adair.* The Uses of Bees' Wings. p. 763.

Structure of the wings; their use for flight, respiration, smell and hearing.

\* 142. The **Scientific American**,<sup>2</sup> vols. xxx and xxxi, contains the following.

Vol. xxx: *a.* Improved Fly Traps, pp. 26, 89, 121, 265. *b.* Vermin Killer [a liquid mixture], p. 65 and vol. xxxi, p. 21. *c.* The Yama-māi, or Oak Tree Silkworm [Description of egg (fig.), larva (fig.), imago; habits; manner of importation], p. 66, fig. *d.* Use of fungi in destroying caterpillars (by J. L. LeConte), p. 82. *e.* To exterminate house insects,

<sup>1</sup> Record made with the assistance of Mr. Samuel Henshaw.

<sup>2</sup> Record made with the assistance of Mr. George Blimmock.

pp. 107, 115, 283. *f.* Improved Cotton Worm Destroyer (by J. W. Johnson), p. 118, fig. *g.* Magnifying Insect Case, p. 246, fig. *h.* Army Ants [Intelligence of ants; habits of *Eciton* sp.; (see Rec., No. 72)], p. 289. *i.* On the classification of the rhiphophorus [rhynchophorous] Coleoptera (by J. L. LeConte), p. 293. *j.* A simple insect catching device [for field insects], p. 295. *k.* The Colorado Potato Bug [habits and description of larva and imago (fig.); means against it], p. 306, fig.; p. 383. *l.* The Ants of Brazil [habits and habitations (mounds)] p. 340. *m.* Wire Worms [how to destroy them], p. 406.

Vol. xxxi: *n.* White Ants [their ravages at Pernambuco] (by Truman Hotchkiss), p. 20. *o.* How to kill grasshoppers [method used with success in Cyprus], p. 37. *p.* *Phytolacca decandra* destructive to cockroaches, p. 43. *q.* Rabies in Ants [from eating corrosive sublimate; a means against *Oecodoma* (see Rec., No. 72)], p. 49. *r.* The Colorado Potato Bug [means against it] (by M. P. Smith), p. 52. *s.* Strange Stories Confirmed [*Oecodoma* eats fungi and not leaves; *Cecropia* trees protected by ants] (by Fritz Müller), p. 54. *t.* Habits of *Cicada septendecim*, p. 58. *u.* Politics in the Beehive [habits of *Trigona* spp., in Brazil] (by F. Müller), p. 65. *v.* The Locust in Minnesota [description and habits of *Caloptenus spretus*; extent of its ravages; means against locusts in Europe and Africa; their natural enemies], p. 65. *w.* Raiding Ants [habits of slave-making ants in N. W. Arkansas], p. 68. *x.* A wash to keep mosquitoes away, p. 75. *y.* Language of Insects and Animals [communication among ants], p. 81. *z.* Oak Apples or Galls [*Cynips quercus-petiolis*], p. 82, fig. 1-5. *aa.* Our Six Legged Rivals [intelligence of ants; analogy between ants' doings and those of men], p. 113. *bb.* Remedy for Insect Stings, p. 118. *cc.* The Western Locust Plague [habits of *Caloptenus spretus*; damage done by locusts and means against them in Minnesota], p. 119, fig. *dd.* How to kill house flies, p. 124. *ee.* The Ant's Instinct [capture of roaches by ants] (by T. Hotchkiss), p. 132. *ff.* To prevent or check oiliness in Lepidoptera, p. 138. *gg.* Replacement of Injurious Insects [see Rec., No. 134, *a*] (by J. L. LeConte), p. 152. *hh.* The Grape Phylloxera — Sixty Thousand Dollars Reward offered for a Remedy for the Grape Disease [amount and manner of award; description, habits and figures of all stages of the insect and disease; means of coping with the disease (see Rec., No. 39)], p. 162, fig. 1-5; p. 356. *ii.* Insects more particularly associated with *Sarracenia variolaris* [see Rec., No. 107] (by C. V. Riley), p. 168. *jj.* On the Cotton Worm [its habitat; means against it] (by A. R. Grote), p. 168. *kk.* Vesicatory Potato Bugs, pp. 176, 213, 231, 277. *ll.* Utilization of locusts for food, p. 187. *mm.* Queer Rains [swarms of ants in England], p. 193. *nn.* The Plague of Locusts [means against and natural enemies of locusts] (by J. Whiteford), p. 196. *oo.* To destroy Rose Slugs, p. 207. *pp.* The Phylloxera [means against it], pp. 231, 273, 356. *qq.* The Louse a Substitute for the Compass (by Prof. Webster, p. 261). *rr.* The South American Boxer [habits of a species of (?) Locustina] (by T. Hotchkiss),

p. 277. *ss.* The Potato Bug [description, habits and use of *Cantharis vittata*] (by E. S. Wicklin), p. 309. *tt.* Entomological Notes [*Pemphigus imbricator* found on beech; vesicatory potato bugs (*Lytta* sp.)] (by C. V. Riley), p. 356. *uu.* The Chemical Effect of the Phylloxera on Grapevines, p. 369.

\* 143. The (New York) Tribune Extra — Lecture and Letter Series, No. 21, Pamphlet Edition, contains the following.

*a.* Cave Fauna of the Middle States [Finding of animals in the Mammoth Cave and neighboring caves] (by A. S. Packard, Jr.), p. 43. *b.* Plants that feed on Animals [Insect-catching habits of *Sarracenia variolaris*] (by Dr. J. H. Mellichamp), p. 55. *c.* Pitcher-Plant Insects [Insect-catching habits of *Sarracenia variolaris*; list of its victims; habits and figures of all stages of *Xanthoptera semicrocea* and *Sarcophaga sarraceniae*, which frequent it and *S. flava*; capture of insects by other plants] (by C. V. Riley), p. 56-58, fig. *d.* The Cotton Worm of the Southern States [Habits and seasons of *Aletia argillacea*] (by A. R. Grote), p. 61-62. *e.* Organization of the Entomological Club of the American Association for the Advancement of Science, p. 72. *f.* Insectivorous Plants of California [Fly-catching habits of *Darlingtonia californica*] (by Wm. M. Canby), p. 72-73. *g.* Historical Study of Butterfly Genera [Notice of a paper defining the proper use of about 1100 names] (by S. H. Scudder), p. 75. *h.* Summer Dormancy of Butterfly Larvæ [resp. *Brenthis* spp. and *Phyciodes nycteis*] (by C. V. Riley), p. 75. *i.* Transformations of the Tumblebug [*Canthon hudsonias*] (by C. V. Riley), p. 75-76. *j.* Larval Habits of the Blister Beetle [Habits and hypermetamorphosis of *Melœ angusticollis*; habits of *Epicaula vittata* and *Henous confertus*] (by C. V. Riley), p. 76. *k.* One Injurious Insect replacing another [see Rec., No. 134, *a*] (by J. L. LeConte), p. 76. *l.* Organic Change produced in the Bee [Contrasted structure, habits and instincts of worker and queen honey-bees; occasion of these differences; how are they caused?] (by Sophie B. Herrick), p. 89-90. *m.* The Great Dismal Swamp [see Rec., No. 142, *qq.*] (by N. B. Webster), p. 92.

\* 144. The Hartford Daily Courant, vol. xxxviii, Nos. 193 (11, 158) — 198 (11, 163), contains the following [see Rec., No. 143].

No. 194. *a.* On the Cave Fauna of the Middle States.

No. 195. *b.* On *Sarracenia Variolaris* as a Fly-catcher. *c.* On the Insects more particularly associated with *Sarracenia Variolaris*. *d.* On the Cotton Worm of the Southern States.

No. 196. *e.* Organization of the Entom. Club. Amer. Assoc. Advanc. Sci. [Constitution and Resolutions of the Club. (Election of officers, op. cit., No. 197.)]

No. 197. *f.* *Darlingtonia Californica*, an Insectivorous Plant. *g.* The Genera of Butterflies, studied historically. *h.* On the Summer Dormancy of the Larvæ of *Phyciodes Nycteis*, Doubleday; with remarks on the Nat-

ural History of the species. *i.* On the habits and Transformations of *Canthon hudsonias* (Forst.)—the common "Tumbledung." *j.* On the Larval Habits of the Cantharid genera *Epicauta* and *Henous*. *k.* An Instance of Replacement of Injurious Insects by Human Agency.

\* 145. The **Bulletin of the Torrey Botanical Club**, vol. v, contains the following.

*a.* *Ctenucha virginica* captured by *Apocynum androsaemifolium* (by W. H. Leggett), p. 32. *b.* *Darlingtonia* as a Fly trap (by W. B.), p. 32. *c.* Notice of *Psyche*, Nos. 1-4, p. 35. *d.* Grasshoppers [Imprisonment of locusts in flowers of *Hemerocallis fulva*] (by W. H. Leggett), p. 41. *e.* Insects destroyed by vegetables (by Austin Bacon), p. 51-52.

### English Names for Butterflies.

(Continued from page 44.)

63. *Catopsilia Eubule*.—The cloudless Sulphur.

A name proposed by Gosse.

64. *Colias Pelidne*.—The Pink-edge.

65. *Colias Philodice*.—The clouded Sulphur.

66. *Colias Eurytheme*.—The orange Sulphur.

67. *Eurema Lisa*.—The little Sulphur.

68. *Abæis Nipipe*.—The black-bordered Yellow.

A name proposed by Gosse.

69. *Ganoris rapæ*.—The cabbage butterfly.

Its common name.

70. *Ganoris oleracea*.—The gray-veined White.

A name proposed by Gosse. Harris called it the pot-herb Pontia.

71. *Synchlœe Protodice*.—The checquered White.

72. *Euchlœe Genutia*.—The falcate Orange-tip.

73. *Lærtias Philenor*.—The blue Swallow-tail.

A name proposed by Gosse.

74. *Pterourus Troilus*.—The green-clouded Swallow-tail.

Proposed by Gosse.

75. *Euphæades Glaucus*.—The tiger Swallow-tail.

Proposed by Gosse. He called the melanic female the black Emperor Swallow-tail.

76. *Iphiclides Ajax*.—The zebra Swallow-tail.

Gosse's name.

77. *Amaryssus Polyxenes*.—The black Swallow-tail.

Proposed by Gosse.

(The names of the Skippers will not be given at present.) *S. H. Scudder.*